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2131  
Bartal 2-5-7 #7

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

PATENT APPLICATION

Applicant(s): Yair Bartal  
Alain Jules Mayer  
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Case: 2-5-7  
Serial No.: 09/240,934  
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Group: 2131  
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I hereby certify that this paper is being deposited on this date with the U.S. Postal Service as first class mail addressed to the Assistant Commissioner for Patents, Washington, D.C. 20231

Signature: Linda Shacht Date: April 25, 2002

Title: Method and Apparatus for Managing a Firewall

TRANSMITTAL OF FORMAL DRAWINGS

Assistant Commissioner for Patents  
Washington, D.C. 20231

Attention: Official Draftsperson

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Technology Center 2100

Applicant(s) submit herewith eight (8) sheets of formal drawings in the above-referenced application.

Respectfully submitted,

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Date: April 25, 2002

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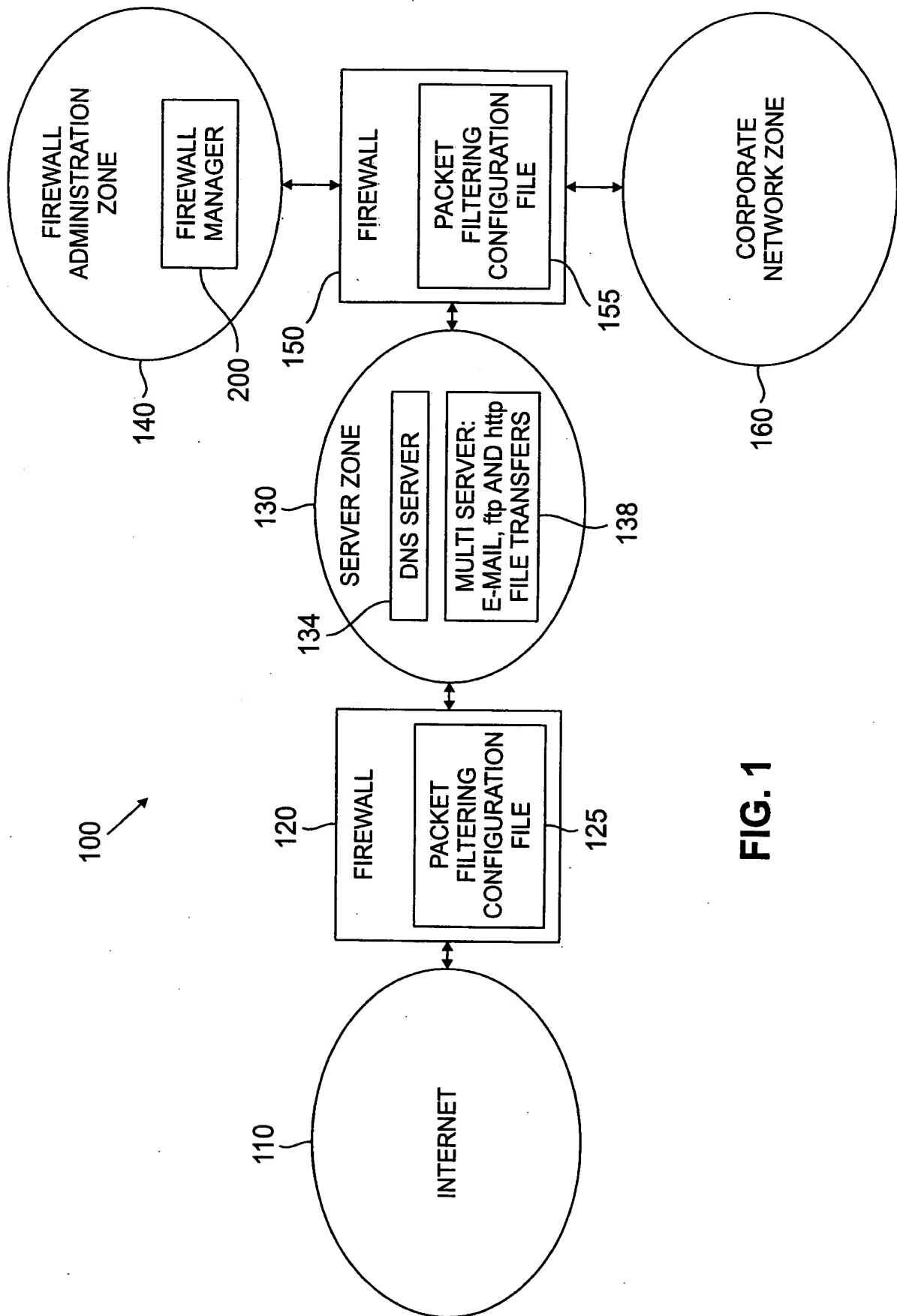
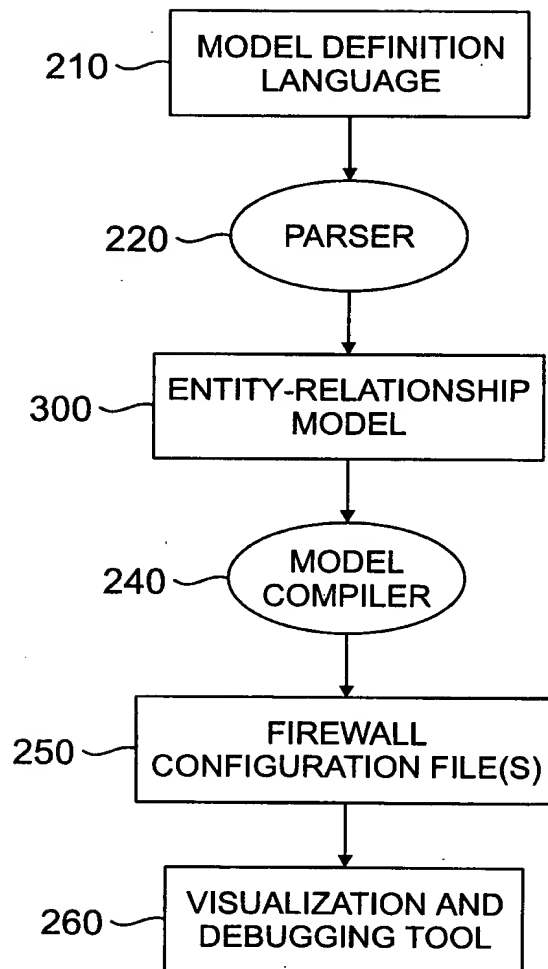
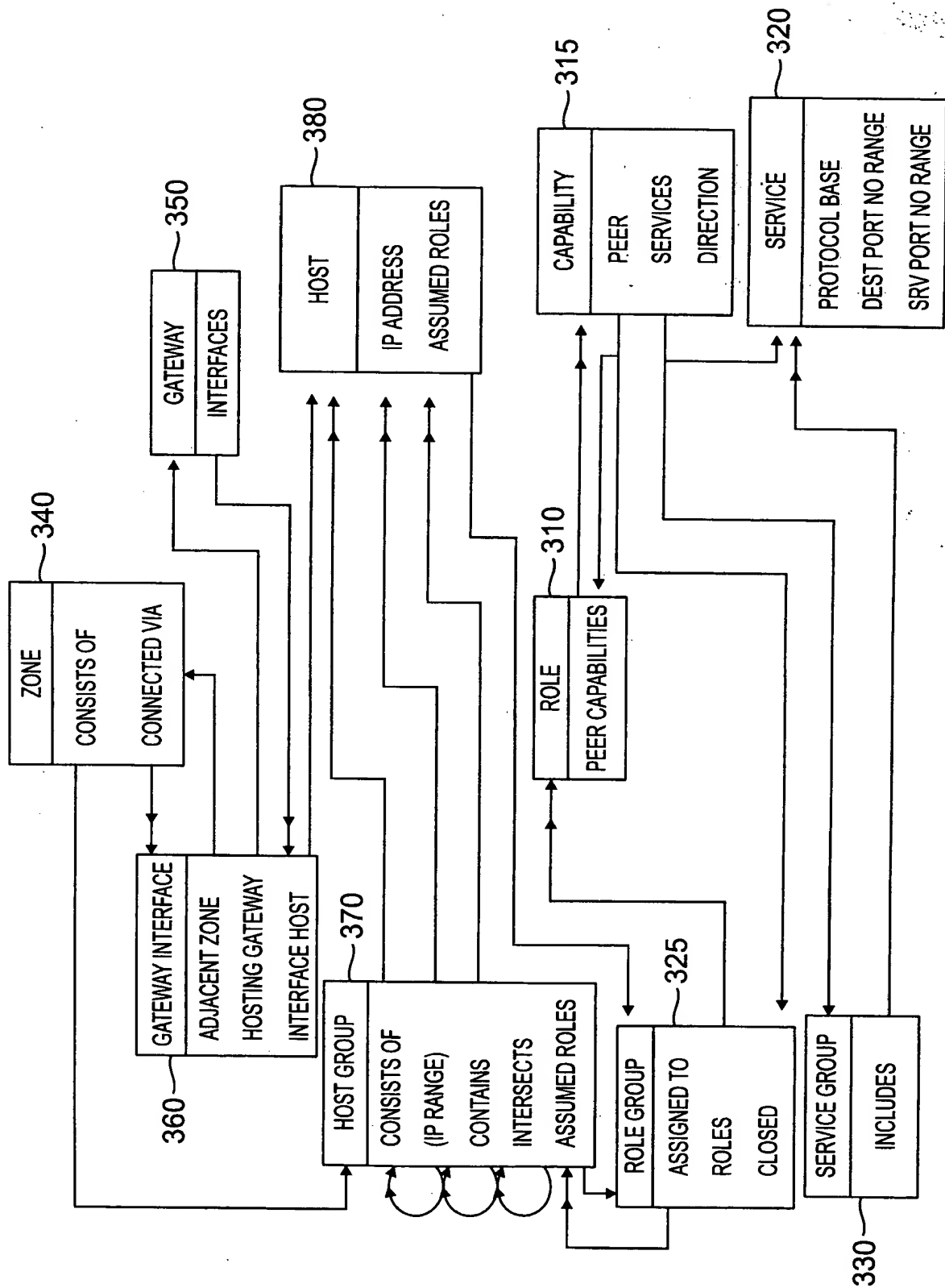


FIG. 1

**FIG. 2**

**FIG. 3**

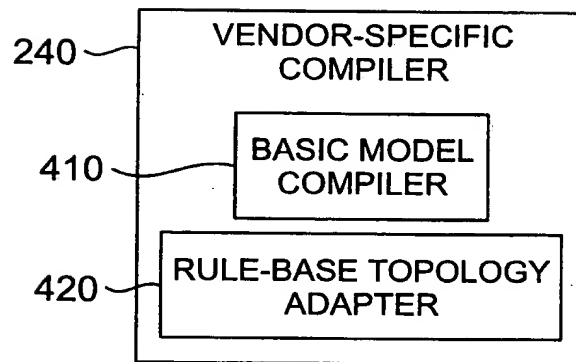


FIG. 4

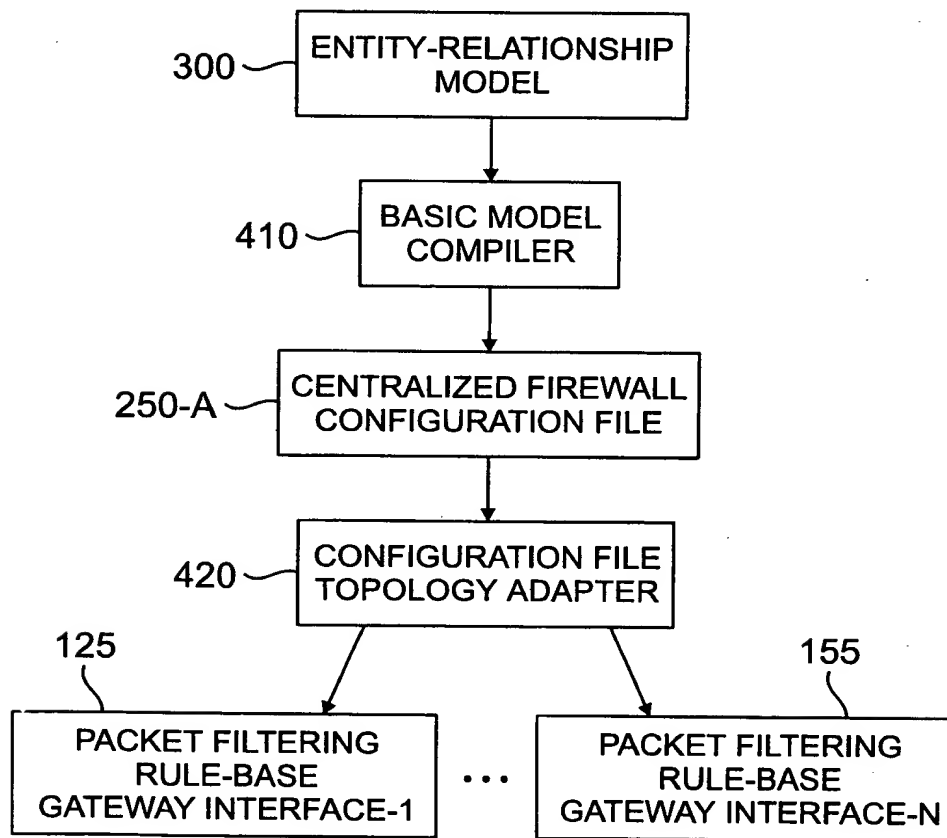


FIG. 5

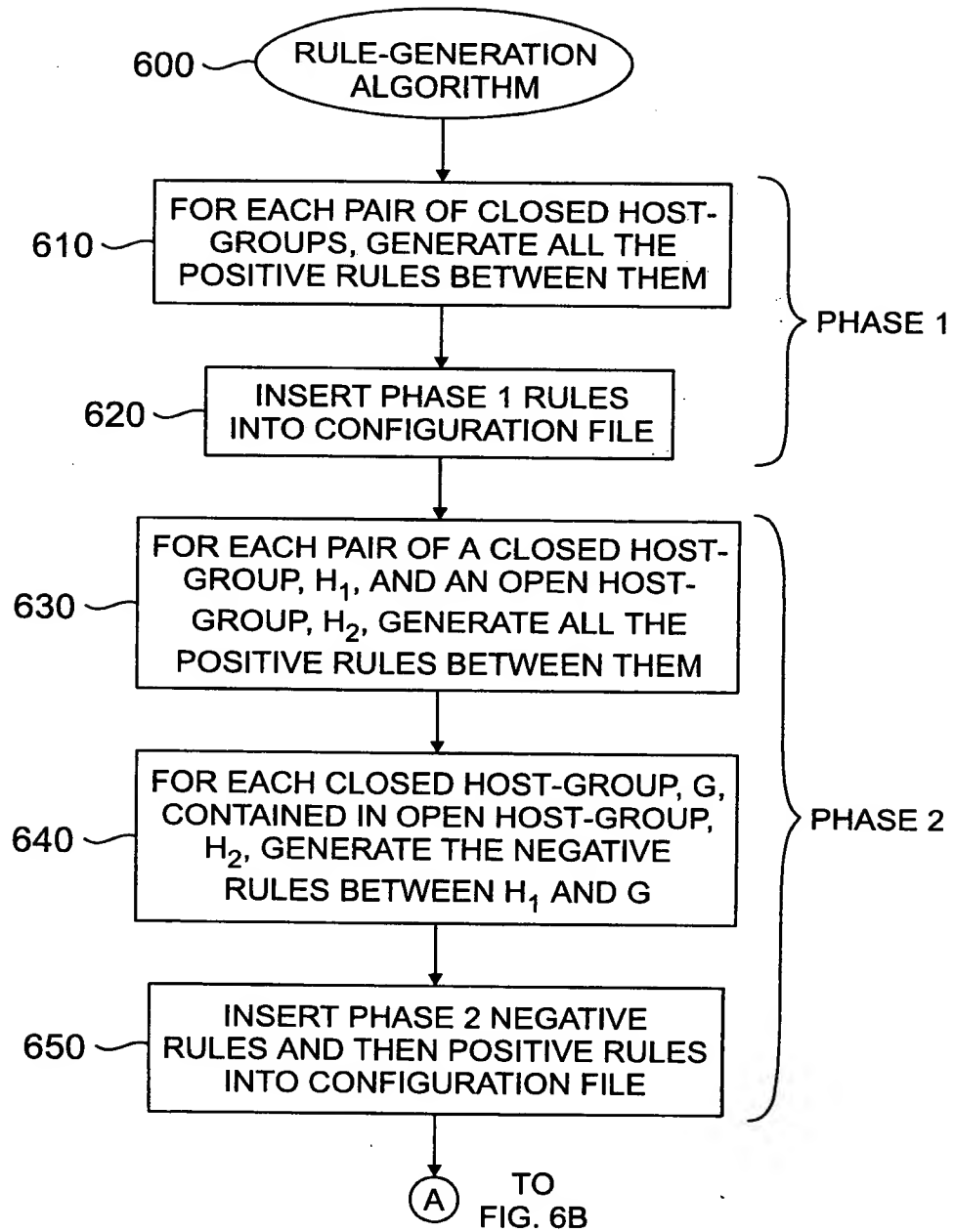


FIG. 6A

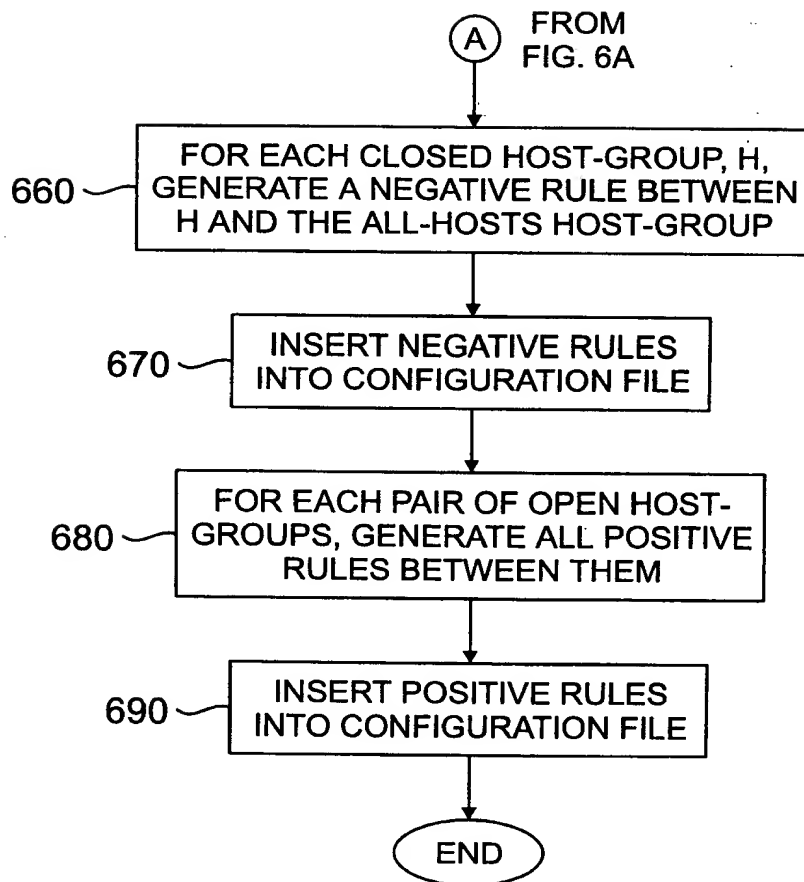


FIG. 6B

for each role  $r$  in the role-group assigned to  $H_1$ :

for each statement in the form:  $\{ r \$ R : s \}$

/\* where  $r$  is a role,  $\$$  indicates the direction,  $R$  is a role-group and  $s$  is a service \*/

if  $H_2$  is closed: /\* create a rule if  $H_2$  has a role,  $r$  \*/

if the role-group assigned to  $H_2$  contains a role in  $R$ ,

then,

create a positive rule between  $H_1$  and  $H_2$  with

service =  $s$

otherwise, for all host-groups  $G$  that contain  $H_2$ :

if the role-group assigned to  $G$  contains a role in  $R$

create positive rule between  $H_1$  and  $H_2$  with

service =  $s$

FIG. 7

800

Replicate the centralized configuration file to every gateway interface

for each gateway interface

for each rule in the configuration file

if the source is in the adjacent zone

set direction to OUT

else if the destination is in the adjacent zone

set direction to IN

else set direction to BOTH

FIG. 8



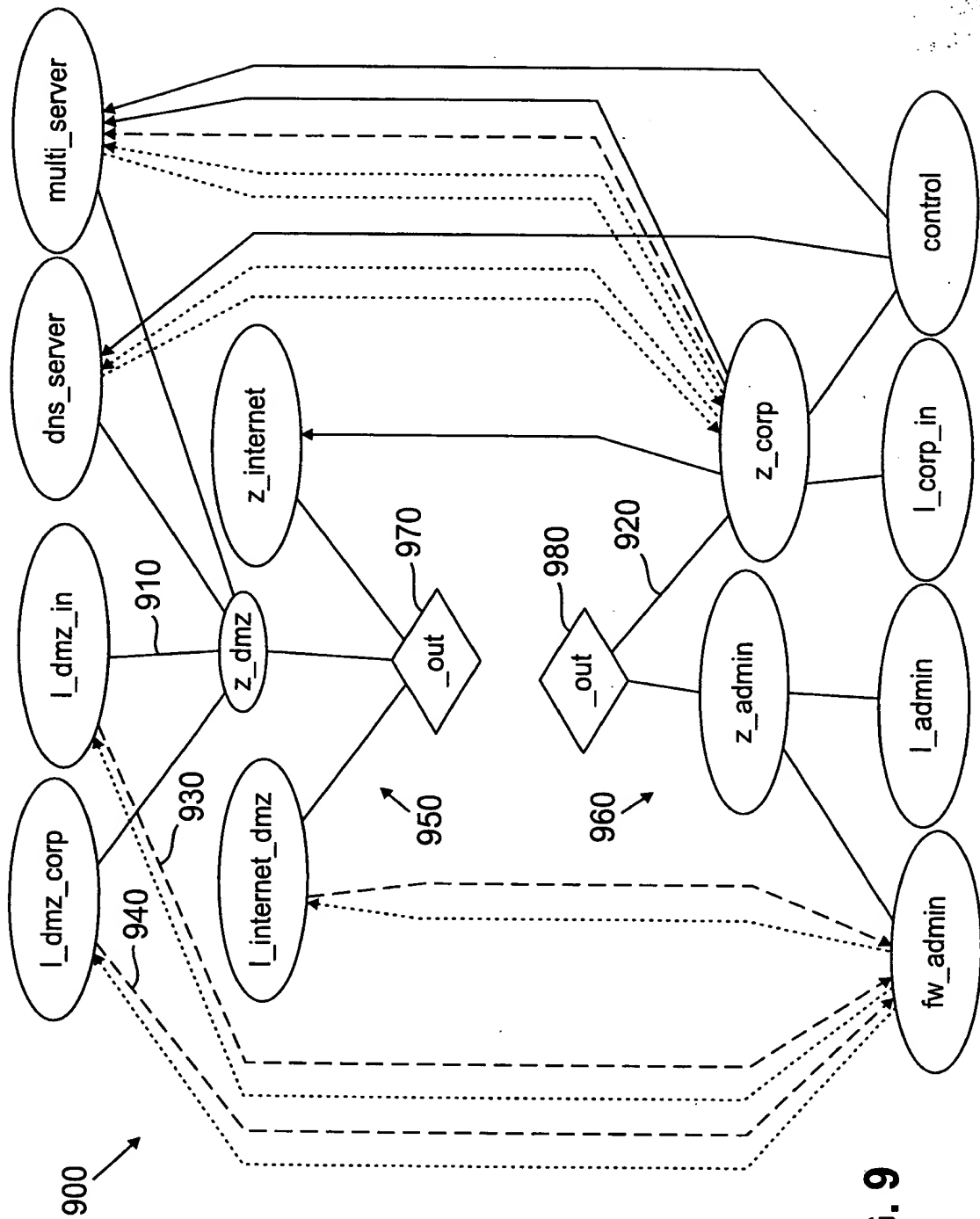


FIG. 9